Let’s Practice Balancing Chemical Equations!

For each of the following reactions, write the skeleton equation using correct chemical formulas. Use your prior knowledge and tools to practice writing correct chemical formulas for each of the word equations below. After you have written the skeleton equation, you will use markers or colored pencils to draw the atoms of the reactants and products. Balance each equation by adding atoms to each side of the reaction until the atoms of the reactants equal the atoms of the products. Let’s try one together!

1. Chlorine + potassium iodide → potassium chloride + iodide
2. Calcium chloride + carbon dioxide + water → calcium carbonate + hydrochloric acid
3. Silver nitrate + sodium phosphate → silver phosphate + sodium nitrate
4. Barium nitrate + sulfuric acid → barium sulfate + nitric acid
5. Aluminum + sulfuric acid → hydrogen + aluminum sulfate
6. Potassium + chloride → potassium chloride